

WHAT IS CLAIMED IS:

1. A deicing composition comprising at least 20% by weight of desugared molasses and a second deicing component, said second deicing component being selected from the group consisting of ethylene glycol, di-ethylene glycol, soluble potassium salts, and the sodium, calcium, magnesium, and potassium salts of acetate, chloride, carbonate, and formate.
2. A deicing composition according to claim 1, said desugared molasses comprising desugared sugar cane molasses.
3. A deicing composition according to claim 1, said desugared molasses having from about 60 to 75% solids.
4. A deicing composition according to claim 1, said second component being present in said composition in an amount ranging from about 5% to about 80% by dry weight.
5. A deicing composition according to claim 4, said second component being present in said composition in an amount ranging from about 10% to about 60% by dry weight.
6. A deicing composition according to claim 4, said second component being sodium chloride.
7. A deicing composition according to claim 6, said desugared molasses comprising desugared sugar cane molasses.
8. A composition according to claim 1, further including an anti-skid agent, said anti-skid agent being present in an amount effective to retard skidding when said composition is applied to a surface.

9. A composition according to claim 7, said anti-skid agent being selected from the group consisting of sand, gravel, cinder, limestone aggregate, fire ash, river rock, and mixtures thereof.

5 10. A composition according to claim 8, said anti-skid agent being sand.

11. A composition for deicing or inhibiting the formation of ice and snow on surfaces comprising a mixture of desugared sugar cane molasses and rock salt and including from 8 to 10 gallons of desugared sugar cane molasses per ton
10 of rock salt.

12. A method for forming a deicing composition, comprising providing a desugared molasses, and mixing said desugared molasses with water and a salt, said salt being selected from the group consisting of the soluble potassium salts
15 and the sodium, calcium, magnesium, and potassium salts of acetate, chloride, and formate.

13. A method according to claim 11, said desugared molasses comprising desugared sugar cane molasses.
20

14. A method according to claim 13, said salt comprising sodium chloride.

15. A method for deicing an icy surface, comprising applying to said
25 icy surface a deicing composition in an amount effective to reduce the level of ice on said surface, said composition comprising at least 20% by weight of desugared molasses and a second deicing component, said second deicing component being selected from the group consisting of ethylene glycol, di-ethylene glycol, soluble potassium salts, and the sodium, calcium, magnesium, and potassium salts of
30 acetate, chloride, and formate.

0992106 062601
FOI290 30125860

16

16. A method according to claim 15, said desugared molasses comprising desugared sugar cane molasses.

17. A method according to claim 15, said desugared molasses having
5 from about 60 to 75% solids.

18. A method according to claim 15, said second component being present in said composition in an amount ranging from about 5% to about 80% by dry weight.
10

19. A method according to claim 18, said second component being present in said composition in an amount ranging from about 10% to about 60% by dry weight.

20. A method according to claim 15, said second component being sodium chloride.
15

21. A method according to claim 15, said desugared molasses being desugared sugar cane molasses.
20

22. A method according to claim 15, said composition further including an anti-skid agent, said anti-skid agent being present in an amount effective to retard skidding when said composition is applied to a surface.

23. A method according to claim 22, said anti-skid agent being selected from the group consisting of sand, gravel, cinder, limestone aggregate, fire ash, river rock, and mixtures thereof.
25

24. A method according to claim 23, said anti-skid agent being sand.
30

25. A method for deicing an icy surface, comprising apply to said icy surface a deicing composition, said deicing composition comprising a mixture of

FOIA b 7 - DECLASSIFIED

desugared sugar cane molasses and rock salt and including from 8 to 10 gallons of desugared sugar cane molasses per ton of rock salt.

26. A method for inhibiting the formation of ice on a surface,
5 comprising applying to said surface an amount of an anti-icing composition effective to retard the formation of ice on said surface, said composition comprising at least 20% by weight of desugared molasses and a second deicing component, said second deicing component being selected from the group consisting of ethylene glycol, di-ethylene glycol, soluble potassium salts, and the
10 sodium, calcium, magnesium, and potassium salts of acetate, chloride, and formate.

27. A method according to claim 26, said desugared molasses comprising desugared sugar cane molasses.
15

28. A method according to claim 26, said desugared molasses having from about 60 to 75% solids.

29. A method according to claim 26, said second component being
20 present in said composition in an amount ranging from about 5% to about 80% by dry weight.

30. A method according to claim 29, said second component being present in an amount ranging from about 10% to about 60% by dry weight.
25

31. A method according to claim 26, said second component being sodium chloride.

32. A method according to claim 26, said desugared molasses being
30 desugared sugar cane molasses.

09922106 062601
T09290 90226860

17.

33. A method according to claim 26, said composition further including an anti-skid agent, said anti-skid agent being present in an amount effective to retard skidding when said composition is applied to a surface.

5 34. A method according to claim 33, said anti-skid agent being selected from the group consisting of sand, gravel, cinder, limestone aggregate, fire ash, river rock, and mixtures thereof.

10 35. A method according to claim 34, said anti-skid agent being sand.

15 36. A method for inhibiting the formation of ice on a surface, comprising applying to said surface an anti-icing composition, said anti-icing composition comprising a mixture of desugared sugar cane molasses and rock salt and including from 8 to 10 gallons of desugared sugar cane molasses per ton of rock salt.

20 37. A method for deicing an icy surface, comprising applying to said icy surface an amount of a deicing agent effective to reduce the level of ice on said surface, said ~~composition~~ ^{deicing agent} comprising desugared cane sugar molasses.

 38. A method according to claim 36, said surface being selected from the group consisting of a road, a walkway, and a machine surface.

09992106-062601